



DEPARTMENT OF THE NAVY  
NAVAL SUPPORT ACTIVITY WASHINGTON  
1411 PARSONS AVENUE ST STE. 303  
WASHINGTON NAVY YARD DC 20374-5003

5090  
Ser N4/221  
September 05, 2017

Chief, Drinking Water Branch (3WP21)  
EPA Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

Dear Karen Crumlish:

SUBJECT: STAGE 2 DISINFECTANTS AND DISINFECTION BYPRODUCT RULE (DBPR),  
U.S. NAVAL OBSERVATORY (DC00000005)

Enclosed is the Stage 2 Disinfectants and Disinfection Byproduct Rule (DBPR) Report for the monitoring period August 2017 for the U.S. Naval Observatory.

If you have any questions or require further information, please contact Ms. Tawana Spencer, Public Works Department Drinking Water Program Manager at 202-433-4191 or email: [dane.bowker@navy.mil](mailto:dane.bowker@navy.mil).

Sincerely,

A handwritten signature in black ink, reading "Quang Nguyen", is positioned above the typed name.

Quang Nguyen, PE  
Acting Installation Environmental  
Program Director  
By direction of the Commanding Officer

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Enclosures: 1. Stage 2 DBPR Report  
2. Certificate of Analysis

Stage 2 Disinfectants and Disinfection Byproducts Rule Reporting Spreadsheet

Water System: U.S. Naval Observatory  
PWSID: DC0000005  
Report Period: August 2017

Steps: 1. Enter sample date and results for current monitoring in the blue column.  
2. Summarize results for the reporting period. The number of samples should include the number of any repeat samples.

Total Trihalomethanes (TTHM)  
Reported as mg/L or ppm

Number of TTHM samples taken: 2  
TTHM increased monitoring triggered: 0  
TTHM MCL violations: 0

		Annual Result
Scheduled Sample Week		Quarter 3rd
Actual Sample Date:		August 02, 2017
Location ID	Location Name	
3B	NSF-OBSY 59	0.0595
3A	NSF-OBSY 1	0.0385
		If TTHM result is > 0.080, increase monitoring to quarterly.*

Five Haloacetic Acids (HAA5)  
Reported as mg/L or ppm

Number of HAA5 samples taken: 2  
HAA5 increased monitoring triggered: 0  
HAA5 MCL violations: 0

		Annual Result
Scheduled Sample Week		Quarter 3rd
Actual Sample Date:		August 02, 2017
Location ID	Location Name	
3B	NSF-OBSY 59	0.0642
3A	NSF-OBSY 1	0.0540
		If HAA5 LRAA is > 0.060, increase monitoring to quarterly.*

\* Next sample to be taken 90 days from date of collection of this sample. Subsequent quarterly monitoring to occur at a frequency of every 90 days to coincide with the peak month of August.

August 10, 2017

Mr. Kosala DeSilva  
Inspection Experts, Inc.  
8711 Arrowtip Lane  
Lewis Center, OH 43035

## Certificate of Analysis

Project Name:	<b>NAVFAC Regional/USNO 1511-223</b>	Workorder:	<b>2251018</b>
Purchase Order:		Workorder ID:	<b>NAVFAC Regional/USNO 1511-223</b>

Dear Mr. DeSilva:

Enclosed are the analytical results for samples received by the laboratory on Wednesday, August 2, 2017.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Mr. Brad W Kintzer (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at [www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads](http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads).

This laboratory report may not be reproduced, except in full, without the written approval of ALS Environmental.

ALS Spring City: 10 Riverside Drive, Spring City, PA 19475 610-948-4903

CC: Mr. George Tsamoulales

*This page is included as part of the Analytical Report and must be retained as a permanent record thereof.*

  
Mr. Brad W Kintzer  
Project Coordinator

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### SAMPLE SUMMARY

Workorder: 2251018 NAVFAC Regional/USNO 1511-223

Lab ID	Sample ID	Matrix	Date Collected	Date Received	Collected By
2251018001	NOBSY-59	Drinking Water	8/2/2017 13:45	8/2/2017 21:30	Collected by Client
2251018002	NOBSY-01	Drinking Water	8/2/2017 14:19	8/2/2017 21:30	Collected by Client
2251018003	NOBSY-Field Blank	Drinking Water	8/2/2017 13:50	8/2/2017 21:30	Collected by Client

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## SAMPLE SUMMARY

Workorder: 2251018 NAVFAC Regional/USNO 1511-223

### Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are performed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.

### Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND)
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Reporting Detection Limit
ND	Not Detected - indicates that the analyte was Not Detected at the RDL
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits

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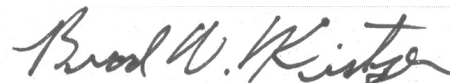
## ANALYTICAL RESULTS

Workorder: 2251018 NAVFAC Regional/USNO 1511-223

Lab ID: **2251018001**  
Sample ID: **NOBSY-59**

Date Collected: 8/2/2017 13:45 Matrix: Drinking Water  
Date Received: 8/2/2017 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS</b>										
Bromodichloromethane	9.8		ug/L	0.50	EPA 524.2			8/4/17 13:20	TMP	A
Bromoform	<0.50		ug/L	0.50	EPA 524.2			8/4/17 13:20	TMP	A
Chlorodibromomethane	1.1		ug/L	0.50	EPA 524.2			8/4/17 13:20	TMP	A
Chloroform	48.7		ug/L	0.50	EPA 524.2			8/4/17 13:20	TMP	A
Total Trihalomethanes	59.5		ug/L	0.50	EPA 524.2			8/4/17 13:20	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	80.2		%	70 - 130	EPA 524.2			8/4/17 13:20	TMP	A
4-Bromofluorobenzene (S)	80		%	70 - 130	EPA 524.2			8/4/17 13:20	TMP	A
<b>HALOACETIC ACID</b>										
TOTAL HAA	64.2		ug/L	1.0	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:12	EGO	D
Bromochloroacetic NOT FOR PA	4.2		ug/L	1.0	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:12	EGO	D
Dibromoacetic	<1.0		ug/L	1.0	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:12	EGO	D
Dichloroacetic	31.6		ug/L	1.0	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:12	EGO	D
Monobromoacetic	<1.0		ug/L	1.0	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:12	EGO	D
Monochloroacetic	3.2		ug/L	2.0	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:12	EGO	D
Trichloroacetic	29.4		ug/L	1.0	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:12	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,3-Dibromopropionic Acid (S)	108		%	70 - 130	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:12	EGO	D



Mr. Brad W Kintzer  
Project Coordinator

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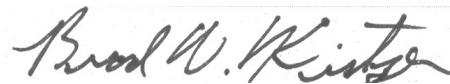
## ANALYTICAL RESULTS

Workorder: 2251018 NAVFAC Regional/USNO 1511-223

Lab ID: **2251018002**  
Sample ID: **NOBSY-01**

Date Collected: 8/2/2017 14:19 Matrix: Drinking Water  
Date Received: 8/2/2017 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS</b>										
Bromodichloromethane	5.4		ug/L	0.50	EPA 524.2			8/4/17 13:45	TMP	A
Bromoform	<0.50		ug/L	0.50	EPA 524.2			8/4/17 13:45	TMP	A
Chlorodibromomethane	0.58		ug/L	0.50	EPA 524.2			8/4/17 13:45	TMP	A
Chloroform	32.6		ug/L	0.50	EPA 524.2			8/4/17 13:45	TMP	A
Total Trihalomethanes	38.5		ug/L	0.50	EPA 524.2			8/4/17 13:45	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	75.3		%	70 - 130	EPA 524.2			8/4/17 13:45	TMP	A
4-Bromofluorobenzene (S)	88.9		%	70 - 130	EPA 524.2			8/4/17 13:45	TMP	A
<b>HALOACETIC ACID</b>										
TOTAL HAA	54.0		ug/L	1.0	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:32	EGO	D
Bromochloroacetic NOT FOR PA	3.4		ug/L	1.0	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:32	EGO	D
Dibromoacetic	<1.0		ug/L	1.0	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:32	EGO	D
Dichloroacetic	26.8		ug/L	1.0	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:32	EGO	D
Monobromoacetic	<1.0		ug/L	1.0	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:32	EGO	D
Monochloroacetic	2.2		ug/L	2.0	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:32	EGO	D
Trichloroacetic	25.0		ug/L	1.0	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:32	EGO	D
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
2,3-Dibromopropionic Acid (S)	102		%	70 - 130	EPA 552.2	8/6/17 12:35	AT	8/10/17 00:32	EGO	D



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## ANALYTICAL RESULTS

Workorder: 2251018 NAVFAC Regional/USNO 1511-223

Lab ID: **2251018003**  
Sample ID: **NOBSY-Field Blank**

Date Collected: 8/2/2017 13:50 Matrix: Drinking Water  
Date Received: 8/2/2017 21:30

Parameters	Results	Flag	Units	RDL	Method	Prepared	By	Analyzed	By	Cntr
<b>VOLATILE ORGANICS</b>										
Bromodichloromethane	<0.50		ug/L	0.50	EPA 524.2			8/4/17 12:56	TMP	A
Bromoform	<0.50		ug/L	0.50	EPA 524.2			8/4/17 12:56	TMP	A
Chlorodibromomethane	<0.50		ug/L	0.50	EPA 524.2			8/4/17 12:56	TMP	A
Chloroform	<0.50		ug/L	0.50	EPA 524.2			8/4/17 12:56	TMP	A
Total Trihalomethanes	<0.50		ug/L	0.50	EPA 524.2			8/4/17 12:56	TMP	A
<i>Surrogate Recoveries</i>	<i>Results</i>	<i>Flag</i>	<i>Units</i>	<i>Limits</i>	<i>Method</i>	<i>Prepared</i>	<i>By</i>	<i>Analyzed</i>	<i>By</i>	<i>Cntr</i>
1,2-Dichlorobenzene-d4 (S)	80.7		%	70 - 130	EPA 524.2			8/4/17 12:56	TMP	A
4-Bromofluorobenzene (S)	79.7		%	70 - 130	EPA 524.2			8/4/17 12:56	TMP	A

  
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Project Coordinator

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COC #1 of  
ALS Quote

Generated by ALS  
**CHAIN OF CUSTODY/  
REQUEST FOR ANALYSIS**  
ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT/  
SAMPLER. INSTRUCTIONS ON THE BACK.

ALS Environmental  
34 Dogwood Lane W Middlestown, PA 17057 • Phone 717.944.5541 • Fax 717.944.1430  
E-mail: info@alsenv.com • www.alsenv.com

Client Name: Inspection Experts, Inc. - WNY		VDA		Amber		Receipt Information (completed by Receiving Lab)	
Address: 9220 Rumsey Rd, Bay 5		40mL		250mL		Cooler Temp: Therm ID: 14352	
Columbia, MD 21045		ASC-HCI		NH <sub>4</sub> Cl		No. of Coolers: Y N Initial: SSS	
Contact: Kosala De Silva		Preservatives				Custody Seals Present? (If present) Seals Intact? Received on bar? COC Labels Complete/Accurate? Cont. in Good Cond.? Correct Containers? Correct Sample Volumes? Correct Preservation? Headspace/Volatiles?	
Phone#: 410-715-3939(O)		ANALYSES/METHOD REQUESTED				Courier/Tracking #:	
Project Name/ID: NAVFAC Regional / USNO 1511-223		Stage II THMs (EPA 524.2)		Stage II HAAs (EPA 552.2)		Temp (°C)	
Bill To: kosala@ieinc.net		3		1		7.75 27.1	
TAT <input checked="" type="checkbox"/> Normal-Standard TAT is 10-12 business days. <input type="checkbox"/> Rush-Subject to ALS approval and surcharges.		G or C		Matrix		PH	
Date Required: Approved By:		G		DW		7.74 28.0	
Email? <input checked="" type="checkbox"/> Y <input type="checkbox"/> N kosala@ieinc.net		3		3			
Fax? <input type="checkbox"/> Y No.:		3		3			
Sample Description/Location (as it will appear on the lab report)		Date		Time			
1. NOBSY-59		08/02/17		1345			
2. NOBSY-01		08/02/17		1419			
3. NOBSY-Field Blank		08/02/17		1350			
Project Comments:		LOGGED BY (signature):		REVIEWED BY (signature):		ALS Field Services: o Pickup o Labor o Composite Sampling o Rental Equipment o Other:	
Relinquished By/ Company Name		Date		Time		Special Processing	
1. Kosala De Silva / IE Inc		08/02/17		1345		Standard <input type="checkbox"/> CLP-line <input type="checkbox"/> USACE <input type="checkbox"/> Navy <input type="checkbox"/> USACE <input type="checkbox"/> State Samples Collected In NY NJ PA NC x DC	
3. Kosala De Silva / IE Inc		08/02/17		1345		Reportable to PA DEP? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> PWSID # EDDS: Format Type	
5. Kosala De Silva / IE Inc		08/02/17		1345		Sample Disposal Lab <input checked="" type="checkbox"/> Special <input type="checkbox"/>	
7. Kosala De Silva / IE Inc		08/02/17		1345			
9. Kosala De Silva / IE Inc		08/02/17		1345			

\* G=Grab; C=Composite \*\*Matrix - AL=Air; DW=Drinking Water; GW=Groundwater; OL=Oil; OL=Other Liquid; SL=Sludge; SO=Soil; WP=Wipe; WW=Wastewater  
ALS ENVIRONMENTAL SHIPPING ADDRESS: 34 DOGWOOD LANE, MIDDLETOWN, PA 17057

Rev 8/04